

FIG. 1

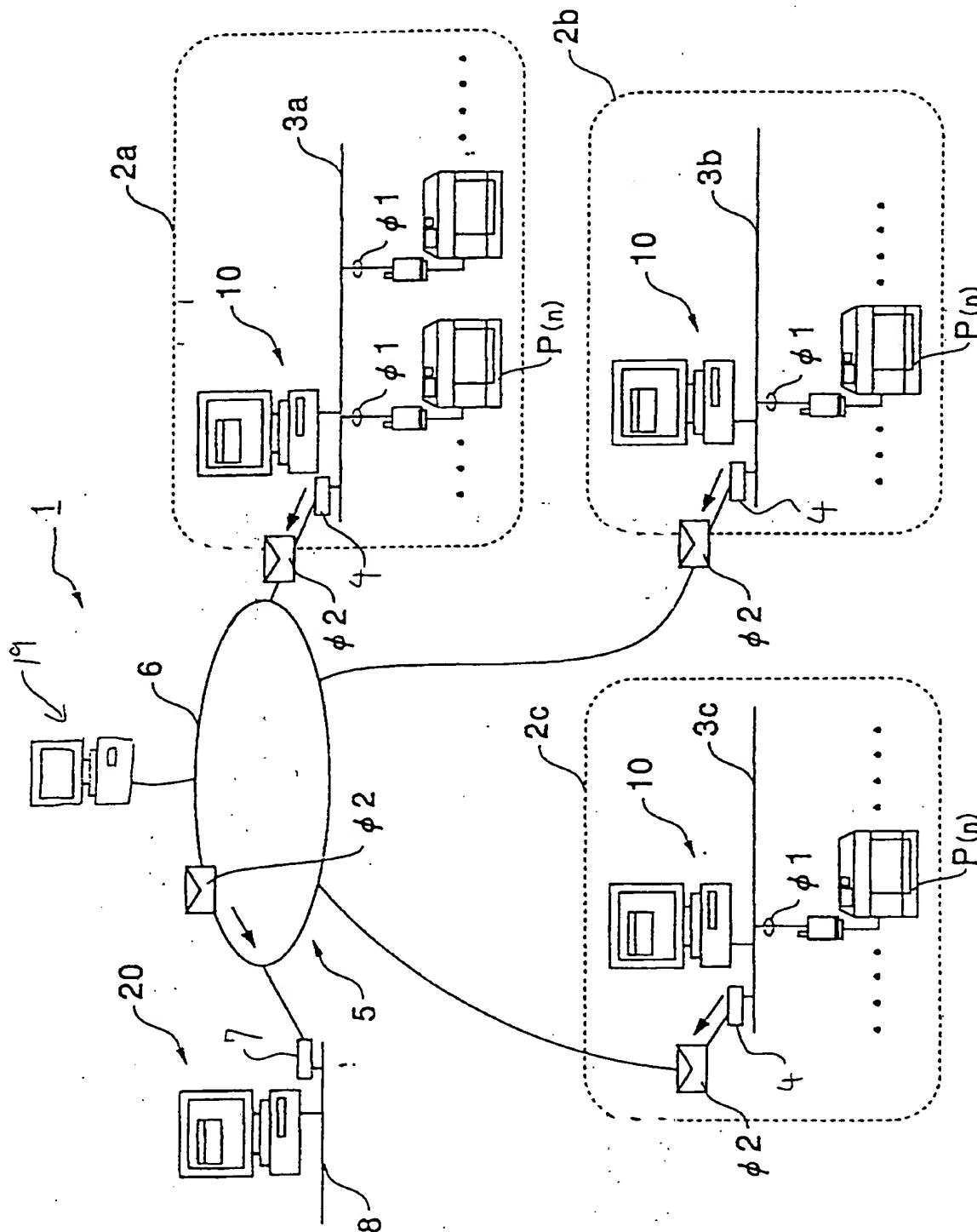


Fig. 2

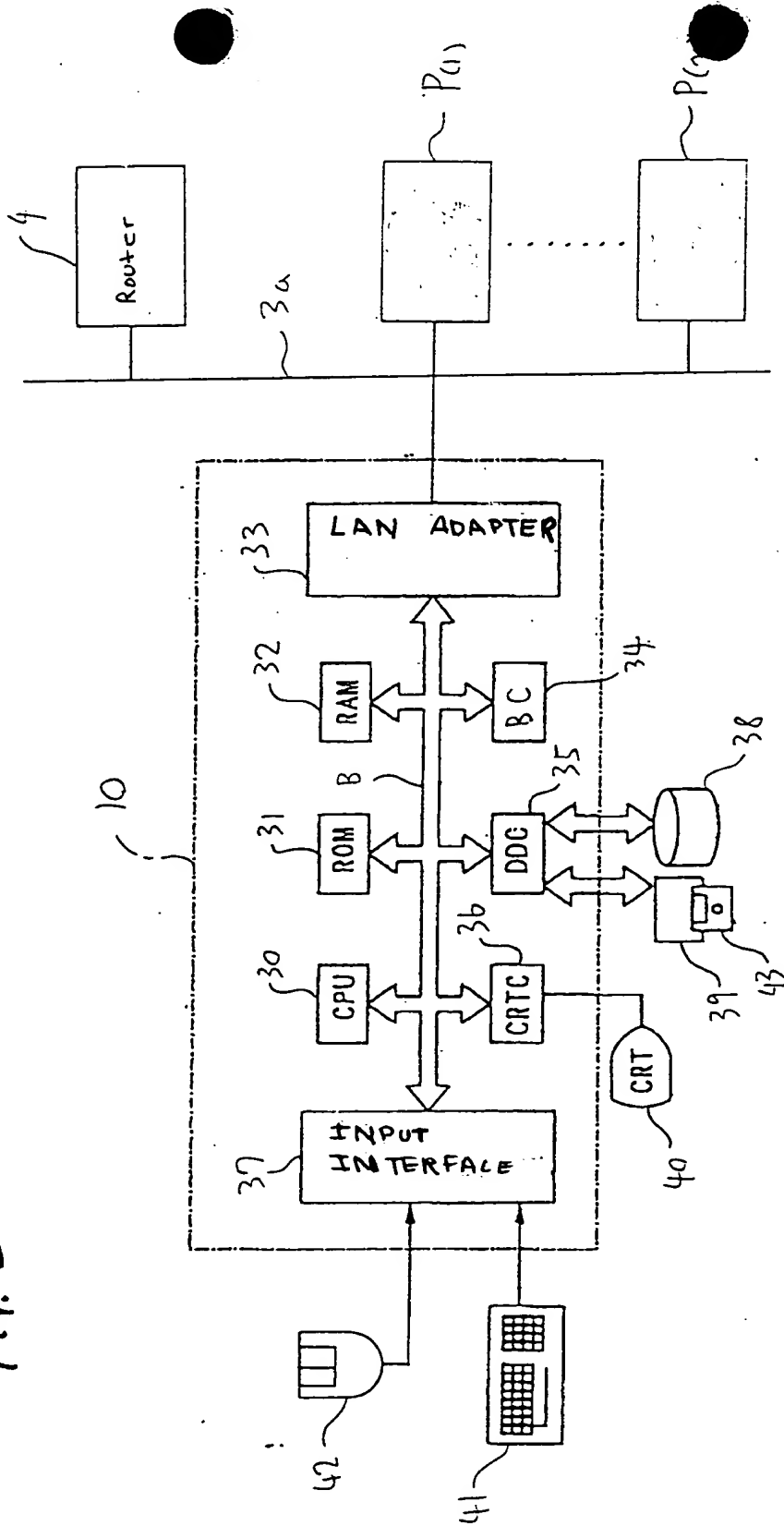
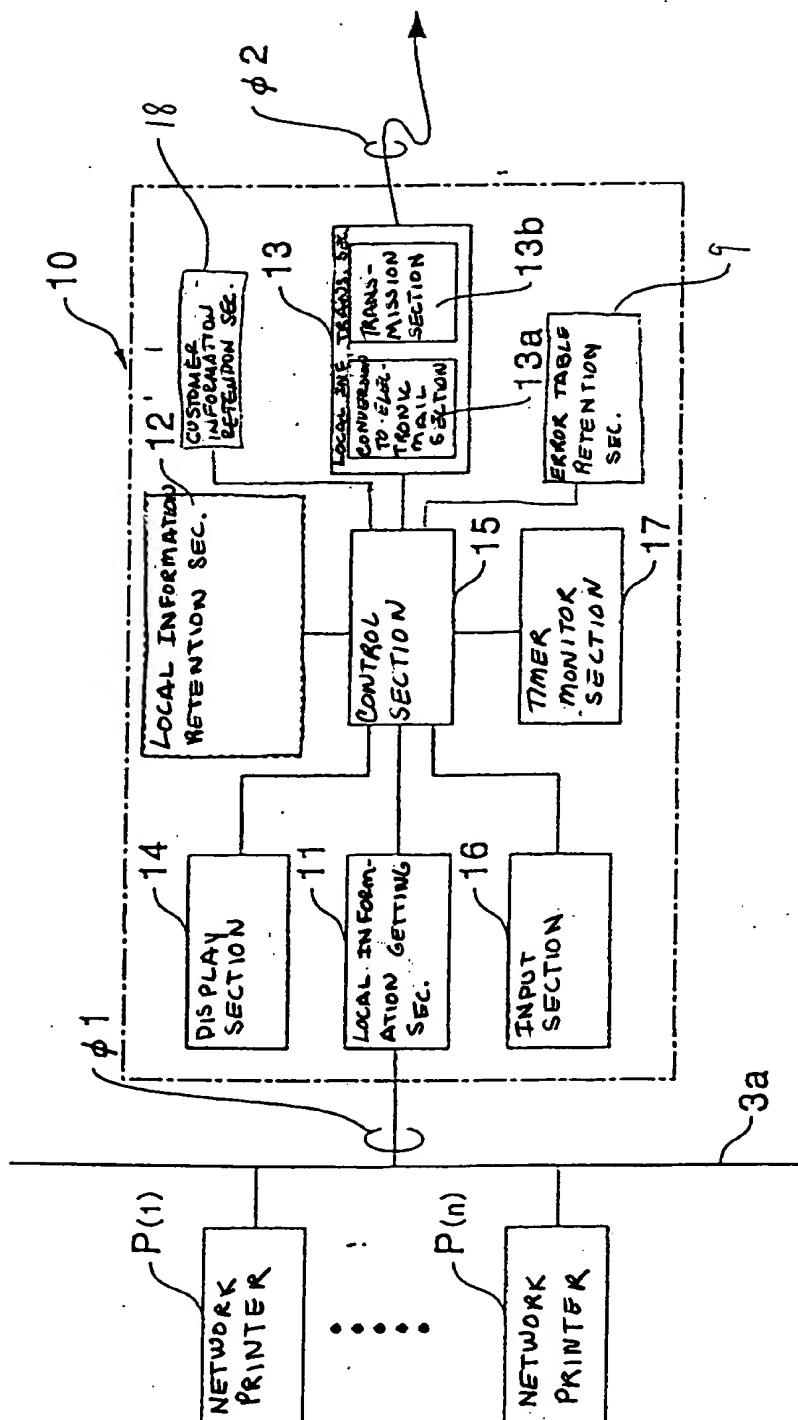
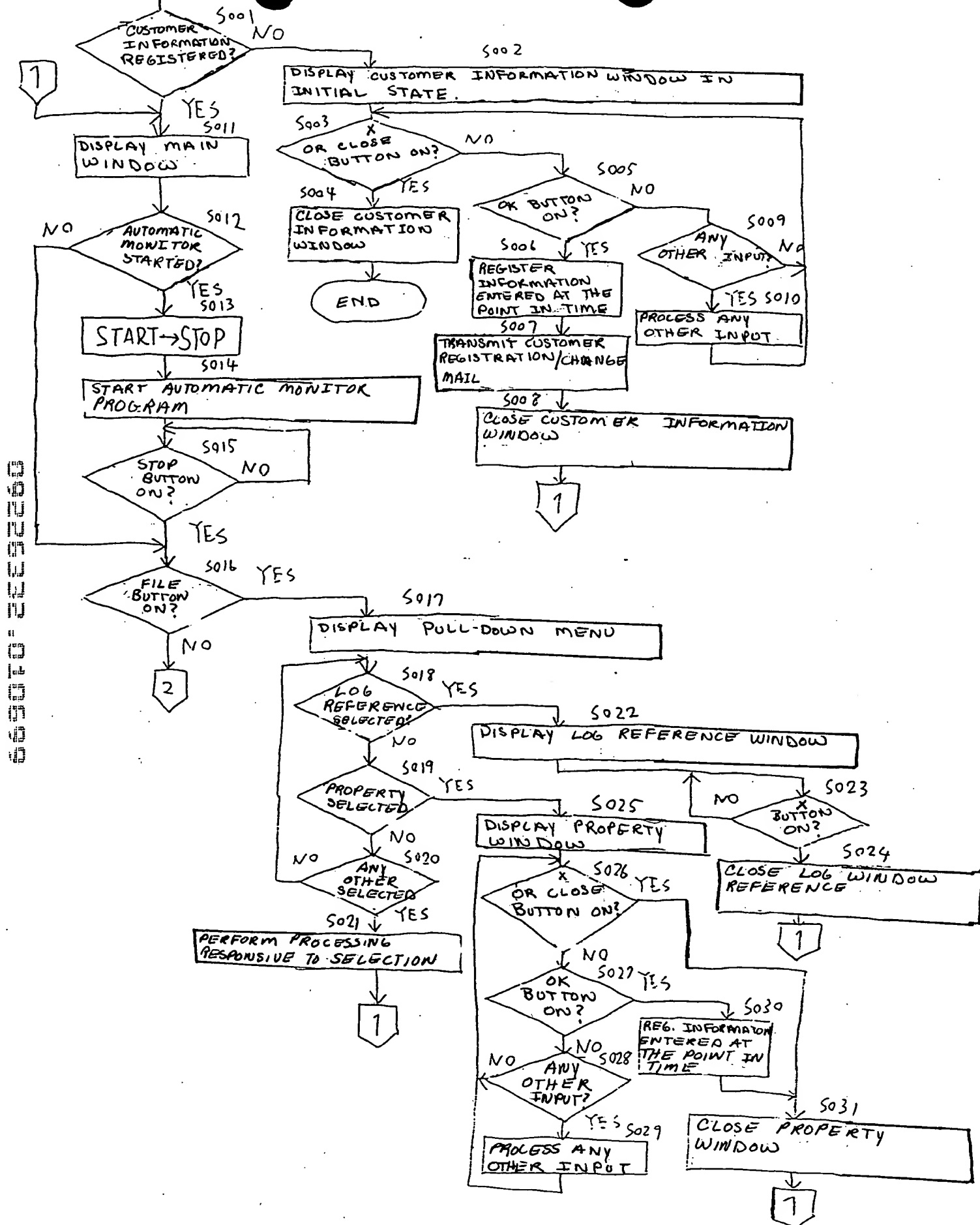


Fig. 3



Screen Display Process

FIG. 4



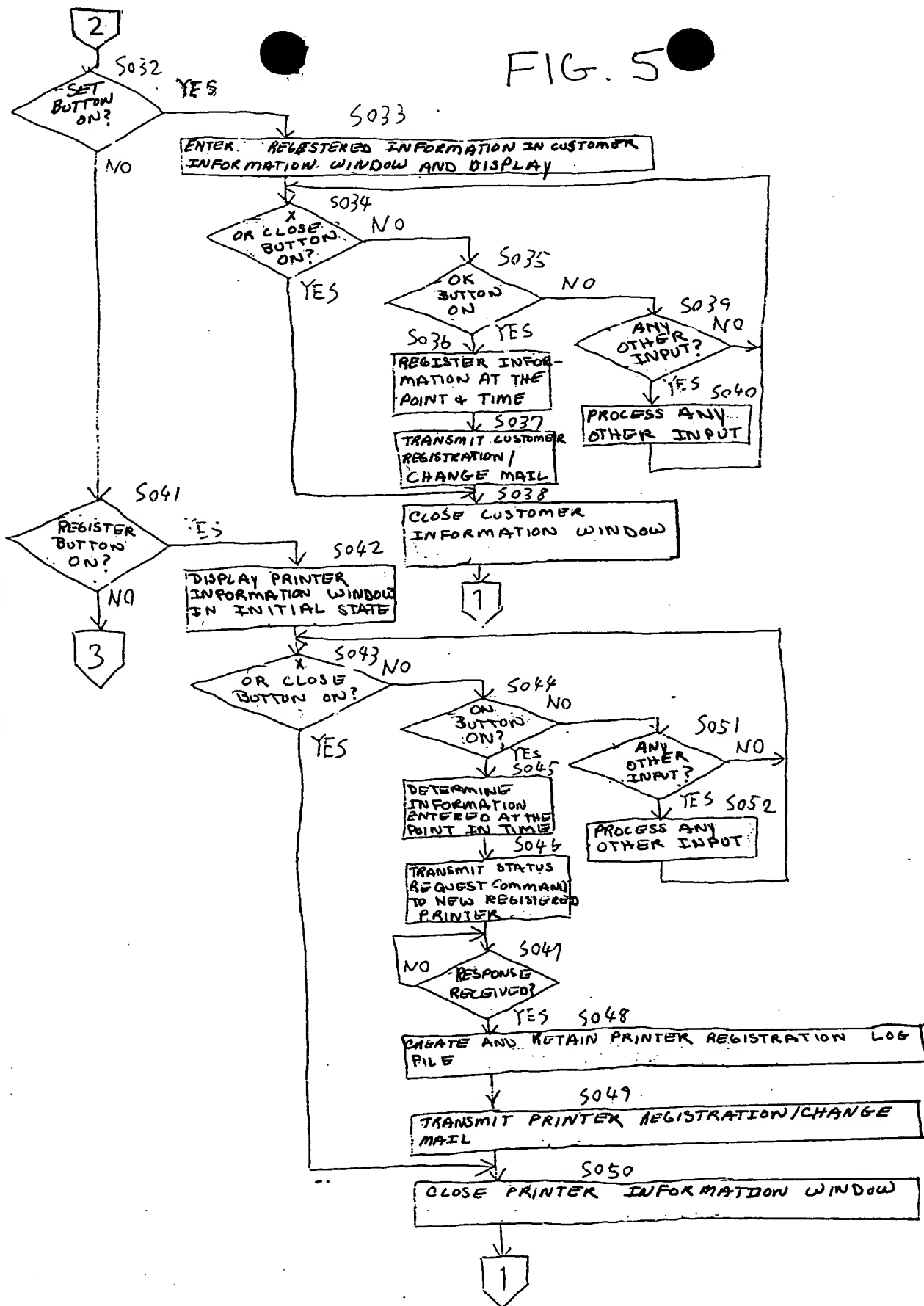
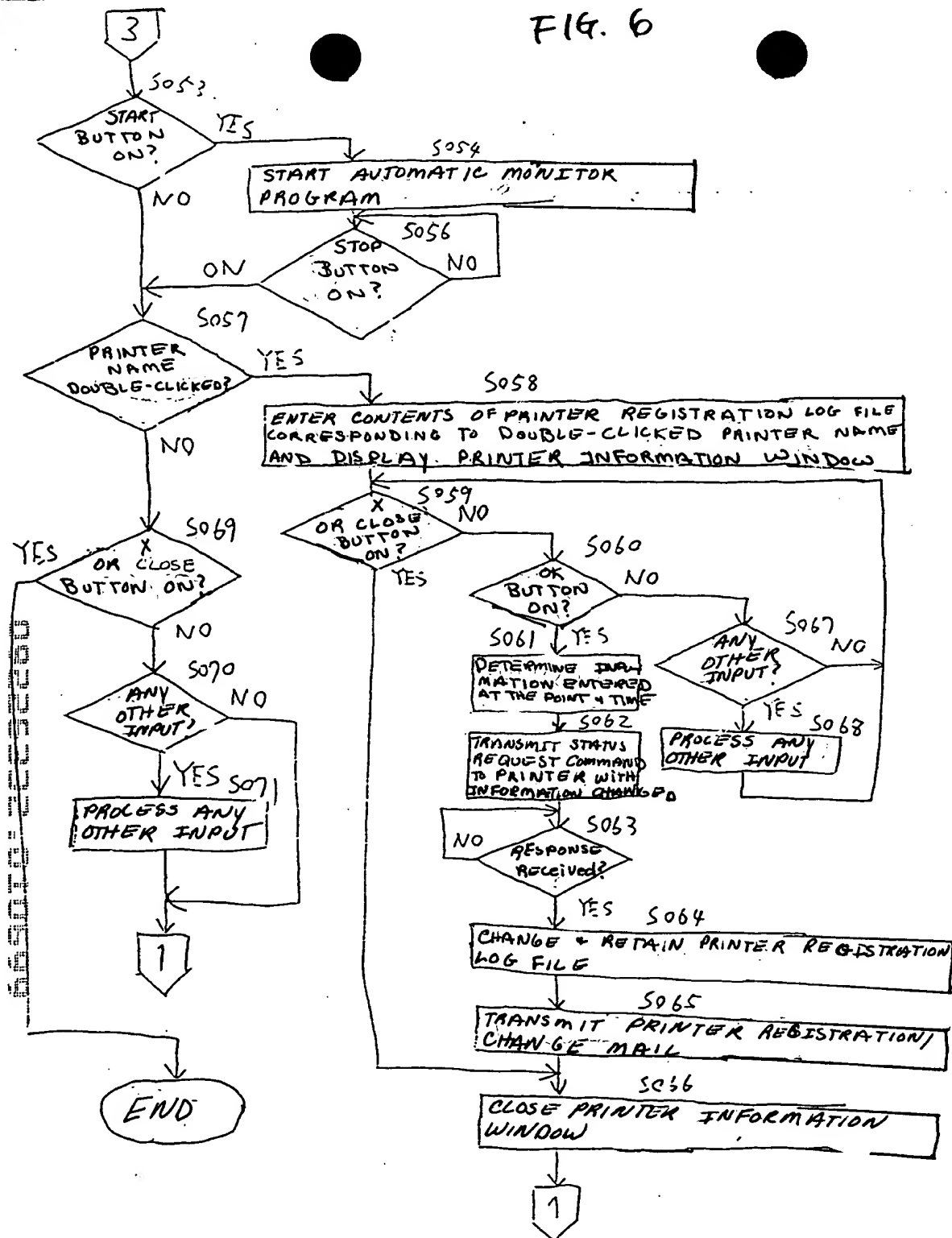


FIG. 6



Automatic Monitor Proc

FIG. 7

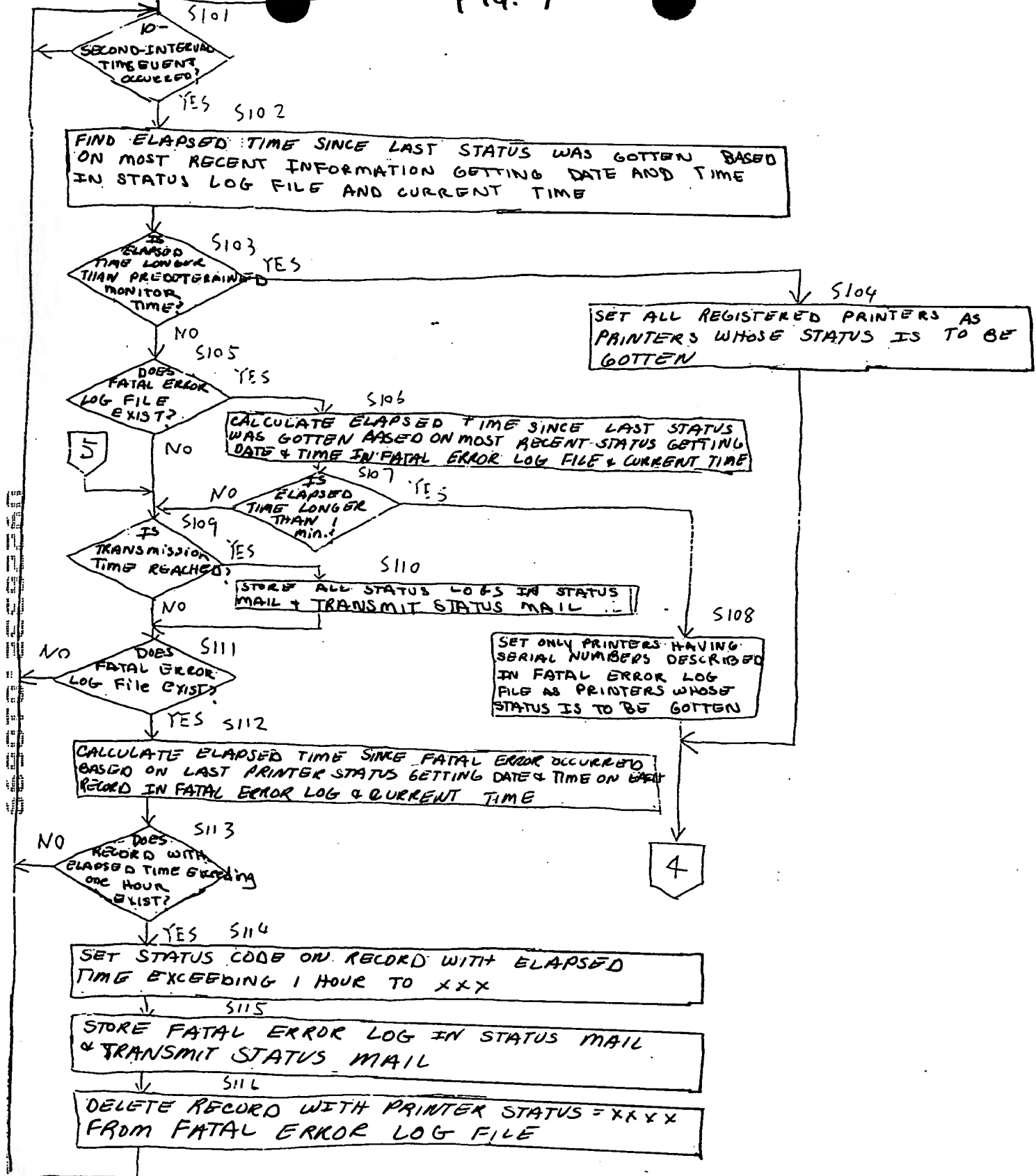
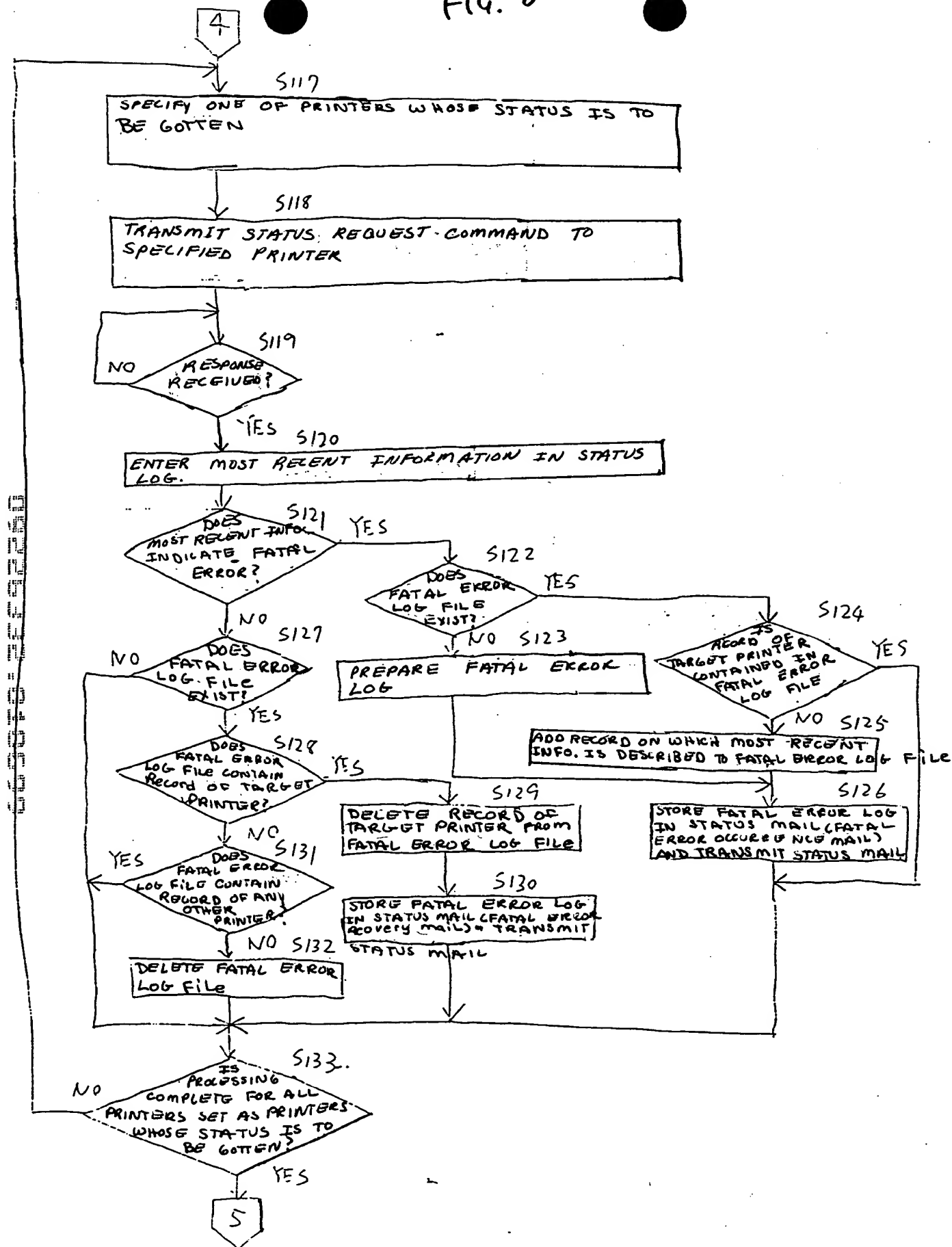


FIG. 8



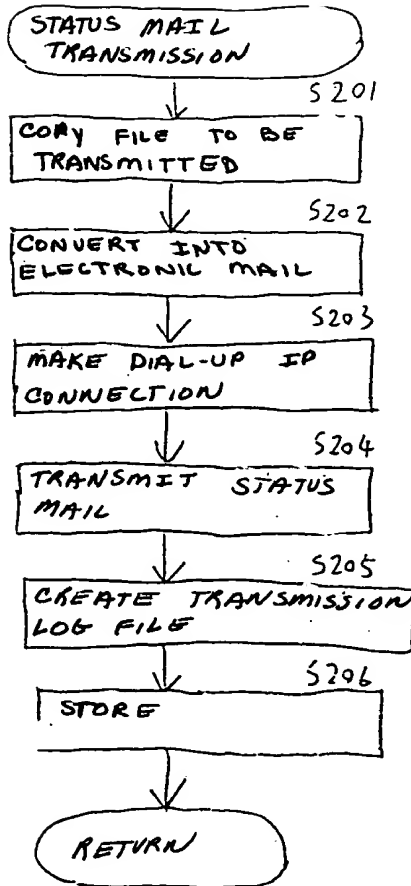
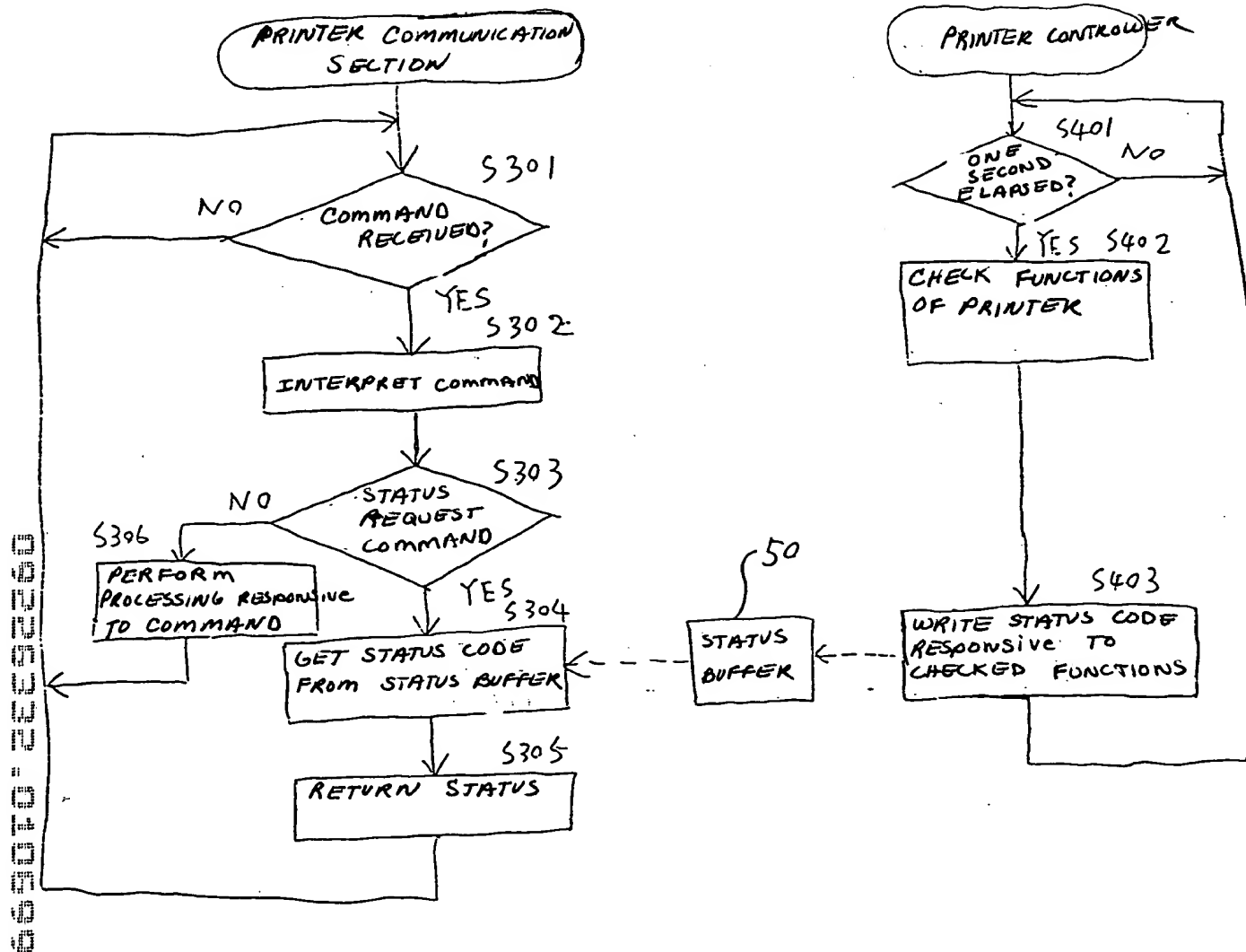
[illegible]

FIG. 10



[illegible]

FIG. 12

MAIL HEADER FORMAT

φ 5

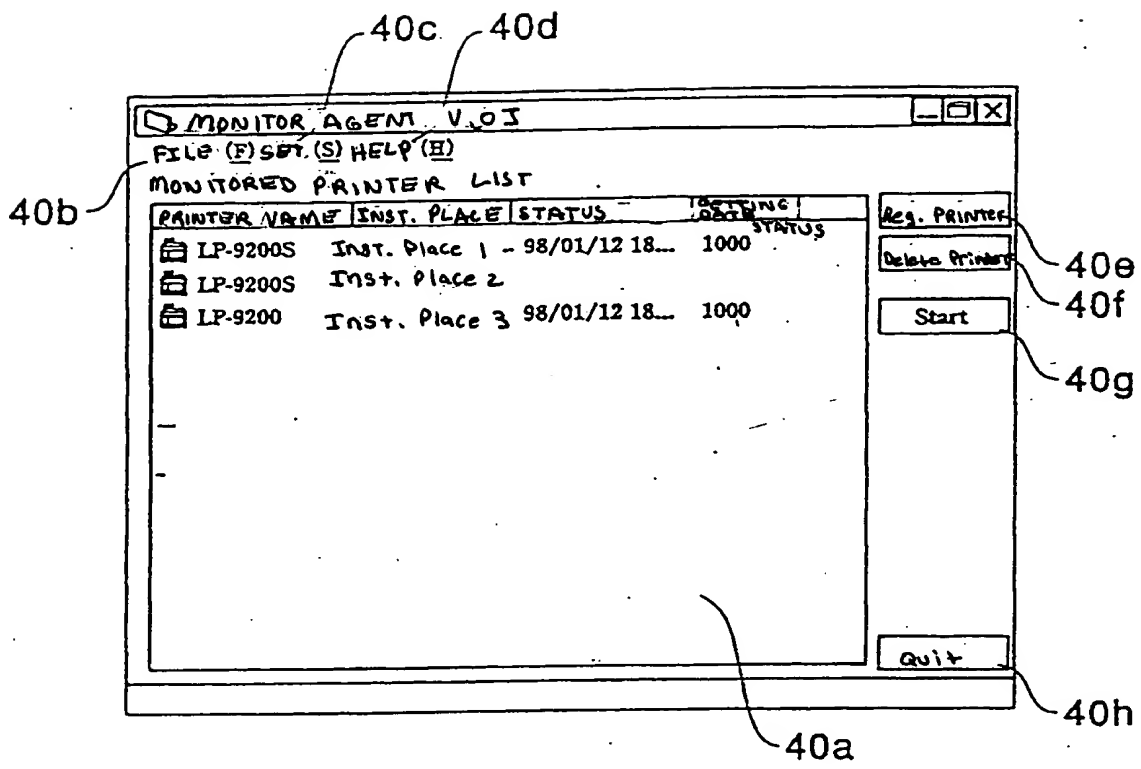
Item	MESSAGE
Subject	CDS CustomerMessage

MAIL TEXT FORMAT

CUSTOMER NAME BEFORE CHANGE	CUSTOMER NAME BEFORE CHANGE (CHANG FOR NEW CUSTOMER)
CUSTOMER NAME AFTER CHANGE	CUSTOMER NAME BEFORE CHANGE (EDITO FOR NEW CUSTOMER)
ADDRESS 1	CUSTOMER ADDRESS
ADDRESS 2	CUSTOMER ADDRESS
TEL 1, TEL 2, TEL 3	CUSTOMER Telephone NUMBER
FAX 1, FAX 2, FAX 3	CUSTOMER FAX NUMBER
ADMINISTRATOR	CUSTOMER ADMINISTRATOR
MAIL ADDRESS	MAIL ADDRESS OF AGENT UNIT ADMINISTRATOR
REMARKS	REMARKS
UPDATE DATE & TIME	LAST UPDATE DATE & TIME IN AGENT UNIT

[illegible]

FIG. 13

[illegible]

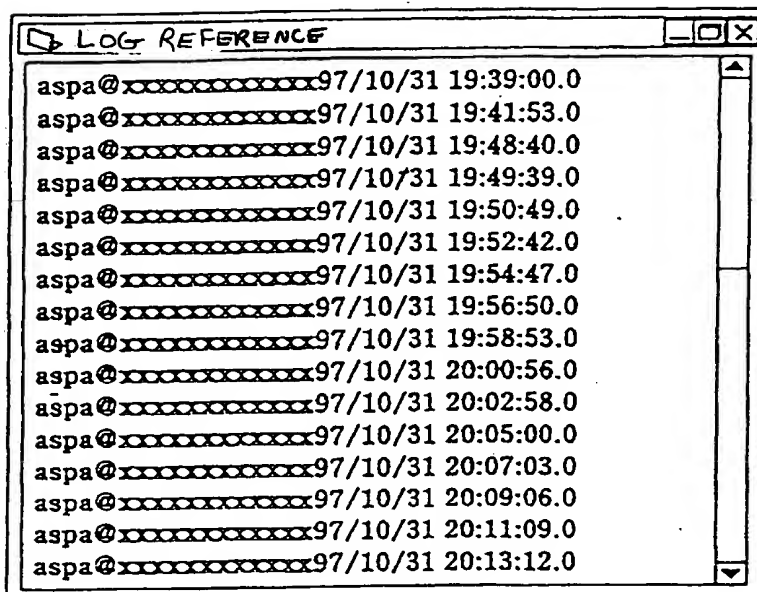
[illegible]

FIG. 15

A hand-drawn diagram of a software dialog box titled "PROPERTY" with a close button (X) in the top right corner. The dialog box is divided into two main sections: "MONITOR" and "LOG".

The "MONITOR" section contains the following elements:

- A label "PRINTER MONITOR INTERVAL" followed by a text input field.
- A label "Hours" followed by a text input field containing the number "1".
- A label "minutes" following the "Hours" input field.
- A label "MONITOR ITEMS" followed by two radio buttons: one labeled "ERROR" (which is selected) and one labeled "ALL".

The "LOG" section contains the following elements:

- A label "TRANS. LOG MAX. SIZE" followed by a text input field containing the number "100".
- A label "kByte" following the "TRANS. LOG MAX. SIZE" input field.

On the right side of the dialog box, there are two buttons: "OK" and "Close".

20220322 10:00:00

0
1
2
3
4
5
6
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A
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Q
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S
T
U
V
W
X
Y
Z

PRINTER INFORMATION

MONITORED PRINTER ID ADDRESS

192

168

1

52

OK

PRINTER S/N

2222222221

CLOSE

PRINTER INSTALLATION PLACE

INST. PLACE 1

▼

☒ MONITOR ☐ NOT MONITOR

PRINTER INFORMATION

MANUFACTURER: EPSON

PRODUCT NAME: LP-9200S

PRINTER TYPE: PAGE

FIG. 17

12c

IP ADDRESS	IP ADDRESS OF PRINTER
SERIAL NUMBER	SERIAL NUMBER OF PRINTER MONITORED BY AGENT UNIT EXAMPLE: AAX0027122
PRINTER INSTALLATION PLACE	INSTALLATION PLACE OF PRINTER
PRINTER MANUFACTURE NAME	MANUFACTURE NAME OF PRINTER
MODEL NAME	PRINTER NAME
PRINTER TYPE	PAGE: PAGE PRINTER COLOR PAGE: COLOR PAGE PRINTER
MONITOR FLAG	DETERMINATION AS TO WHETHER OR NOT PRINTER IS TO BE MONITORED 0: NOT MONITOR 1: MONITOR
DATE & TIME	DATE & TIME AT WHICH STATUS WAS GOTTEN
STATUS CODE	CURRENT STATUS CODE

00226222-040600

ITEM	MESSAGE
Subject:	CDS PrinterMessage

MAIL TEXT FORMAT

SER. # BEFORE CHANGE	SER. # AFTER CHANGE	PRINTER INST. PLACE	PRINTER NAME
PRINTER TYPE	CUST. NAME	ADDRESS 1	ADDRESS 2
Tel. 1	Tel. 2	Tel. 3	FAX 1
FAX 2	FAX 3	ADMINISTRATOR	MAIL ADDRESS
REMARKS	UPDATE DATE & TIME	印	

Year	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1980	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

FIELD NAME	DESCRIPTION
CUSTOMER MAIL ADDRESS	MAIL ADDRESS OF CUSTOMER HAVING PRINTER WHOSE STATUS WAS GOTTEN
INFORMATION GETTING DATE + TIME	DATE + TIME WHICH MONITOR AGENT MONITORED FORMAT EXAMPLE: 1997/09/30 13:39:17
S/N	SERIAL NUMBER OF PRINTER
PRINTER STATUS	STATUS CODE OF PRINTER MONITORED BY MONITOR AGENT
TONER REMAINING AMT.	TONER REMAINING AMOUNT % IN PRINTER STATUS
INK REMAINING AMT. 1	INK REMAINING AMT Black
INK REMAINING AMT. 2	INK REMAINING AMT Cyan
INK REMAINING AMT. 3	INK REMAINING : Magenta
INK REMAINING AMT. 4	INK REMAINING : Yellow
WASTE TONER	WASTE TONER BOX USE AMOUNT
OIL ROLL	OIL ROLL REMAINING AMOUNT
PHOTOSENSITIVE UNIT REMAINING LIFE	REMAINING LIFE OF PHOTOCOPYING UNIT IN PRINTER STATUS
TOT. # OF PRINT SHEETS	TOT. # OF PRINT SHEETS
TOT. # OF PRINT SHEETS IN TERMS OF MONOCHROME PRINT	TOT. # OF PRINT SHEETS IN TERMS OF MONOCHROME PRINT
COLOR RATIO	COLOR PRINT RATIO

20220922 040600

Z13z

ERROR LEVEL	Code	DISPLAY STATUS Message
E1	⊗ Fatal Error	> 6000 XXXX SERVICE can error FATAL error continues for one hour or more
E2	① Warning	2001 2002 2003- 3000 3001 3004 4001 4003 4008 4009 4012 4014 4017 Toner is getting Low PRINT with some omission Because of mem. shortage memory should be added PRINT Overrun memory Shortage memory for Printing Rear Side is insufficient Toner out IC card or Dimm write resulted in failure Paper Jam Paper feed error Paper Jam in paper discharge Section unavailable option Type B interface card is mounted Paper Jam in double-sided unit
E3	① Information	1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1012 2000 2004 2005 2007 3003 4000 4002 4003 4004 4007 4010 4011 4013 4015 4016 4018 4019 4020 IDic (Printable) unprintable Job execution (Printable) Job Cancel Reset Processing IC card or Dimm write engine warming up Power Save mode Forcible paper discharge engine print operation test print Inactive interface writable but unformatted IC card or Dimm is inserted Passed paper size & size of paper to be attempted to print do not match Double-sided print is canceled PCL6A card backup power battery has insufficient capacity Toner cartridge is not set Printer cover is open unavailable IC card, Cartridge, or Dimm is inserted IC card or cartridge is inserted or extracted in INSTRUCTION/ extraction Inhibit mode Paper cassette is not set No paper Paper feed error or no paper Paper that cannot be printed in Portrait orientation is set in Portrait orientation Double-Sided Unit cover is open mismatch between passed paper size & size of paper to be attempted to print double-sided Print mode unavailable Local talk/ Serial module is mounted. PCL6A Card backup Battery out Communication error occurred in Serial I/F Misc. error This error occurs if printer power is off or ASP monitor Agent does not normally operate.
	① Information	

100-443887-100

Information getting date and time	Date and time at which fatal error occurred. Used as one-hour continuation determination. Format example: 97/09/30 AM 1:39:17
Printer serial number	Serial number of printer monitored by agent unit. Example: AAX0027122
IP Address	IP address of printer to be monitored for one-hour continuation.
Printer type	Page: Page Printer Color Page: Color Page Printer
Status Code	Status code when fatal error occurred.

Mail Header Format

Item	Message
Subject:	CDS Message: Mail Address

Mail Test Format

Field Name	Description
Customer mail address	Mail address of customer having printer whose status was gotten.
Information getting date and time	Date and time at monitor agent monitored. Format example: 1997/09/30 13:39:17
S/N	Serial number of printer.
Printer Status	Status code of printer monitored by monitor agent
Toner remaining amount	Toner remaining amount (%) in printer status.
Ink remaining amount 1	Ink remaining amount (%): Black
Ink remaining amount 2	Ink remaining amount (%): Cyan
Ink remaining amount 3	Ink remaining amount (%): Magenta
Ink remaining amount 4	Ink remaining amount (%): Yellow
Waste toner	Waste toner box use amount
Oil roll	Oil roll remaining amount
Photosensitive unit remaining life	Remaining life of photosensitive unit in printer status.
Total number of print sheets	Total number of print sheets.
Total number of print sheets in terms of monochrome print	Total number of print sheets in terms of monochrome print.
Color ratio	Color print ratio.

[illegible]

FIG. 23

Transmission destination mail address	Mail address of console unit to which mail is to be transmitted. Example: aspc@xxxxxx.co.jp.
Serial number	Serial number of printer monitored by agent unit. Example: AAX0027122
Transmission date and time	Date and time at which agent unit transmitted status. Example: 97/09/30 AM 1:39:17
Transmission status	Mail transmission status. 0: Normal, not 0: error

2000/12/30 17:59

Fig. 24

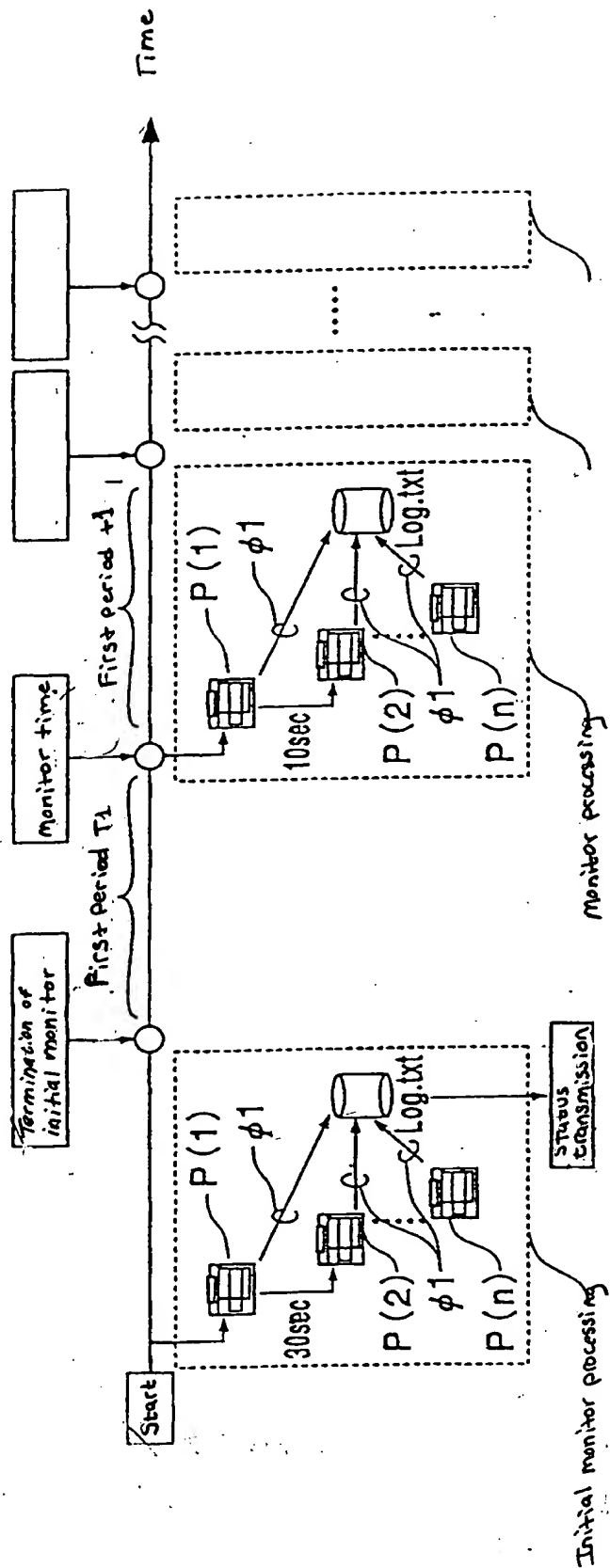


FIG. 25

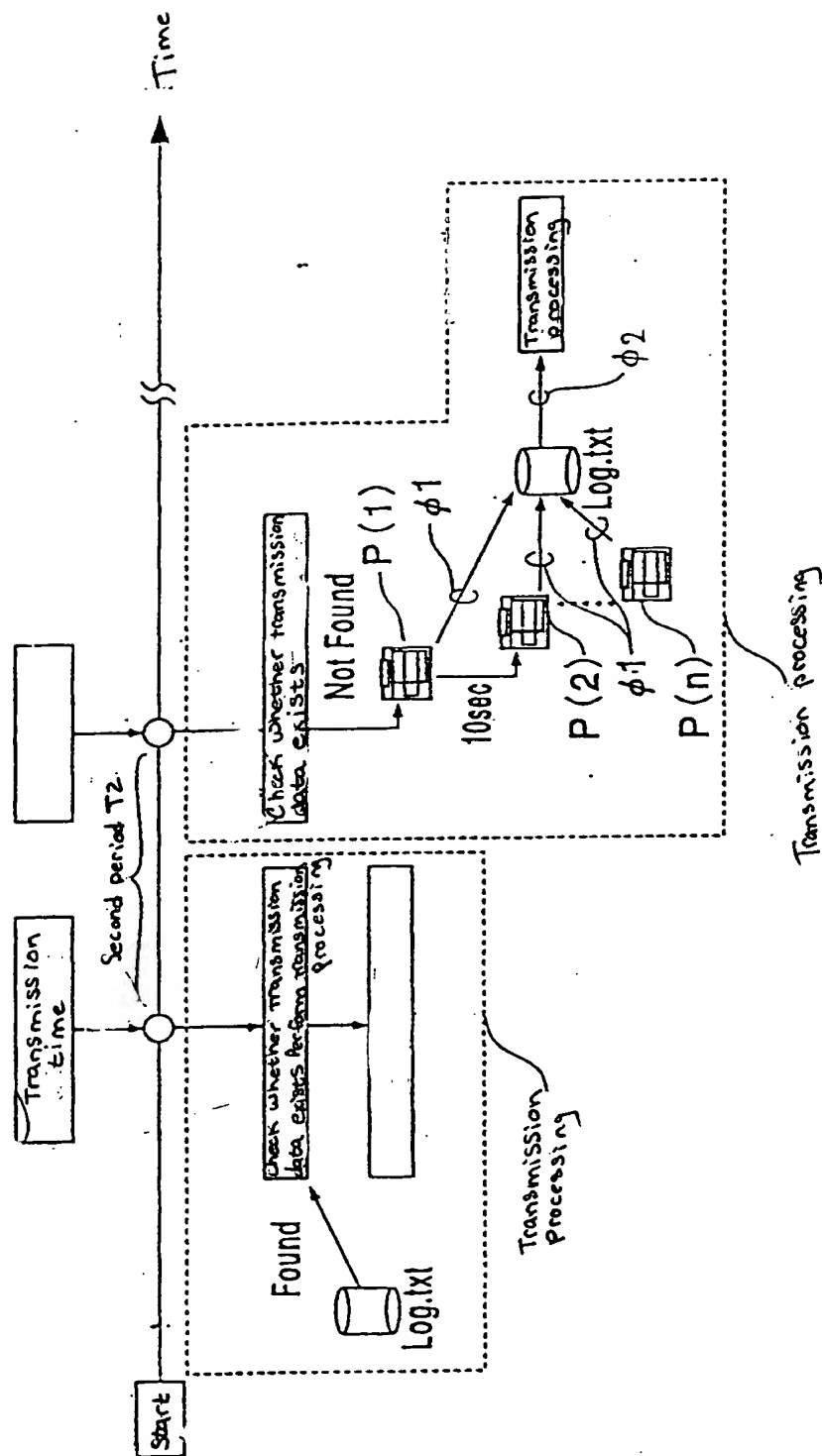


FIG. 26

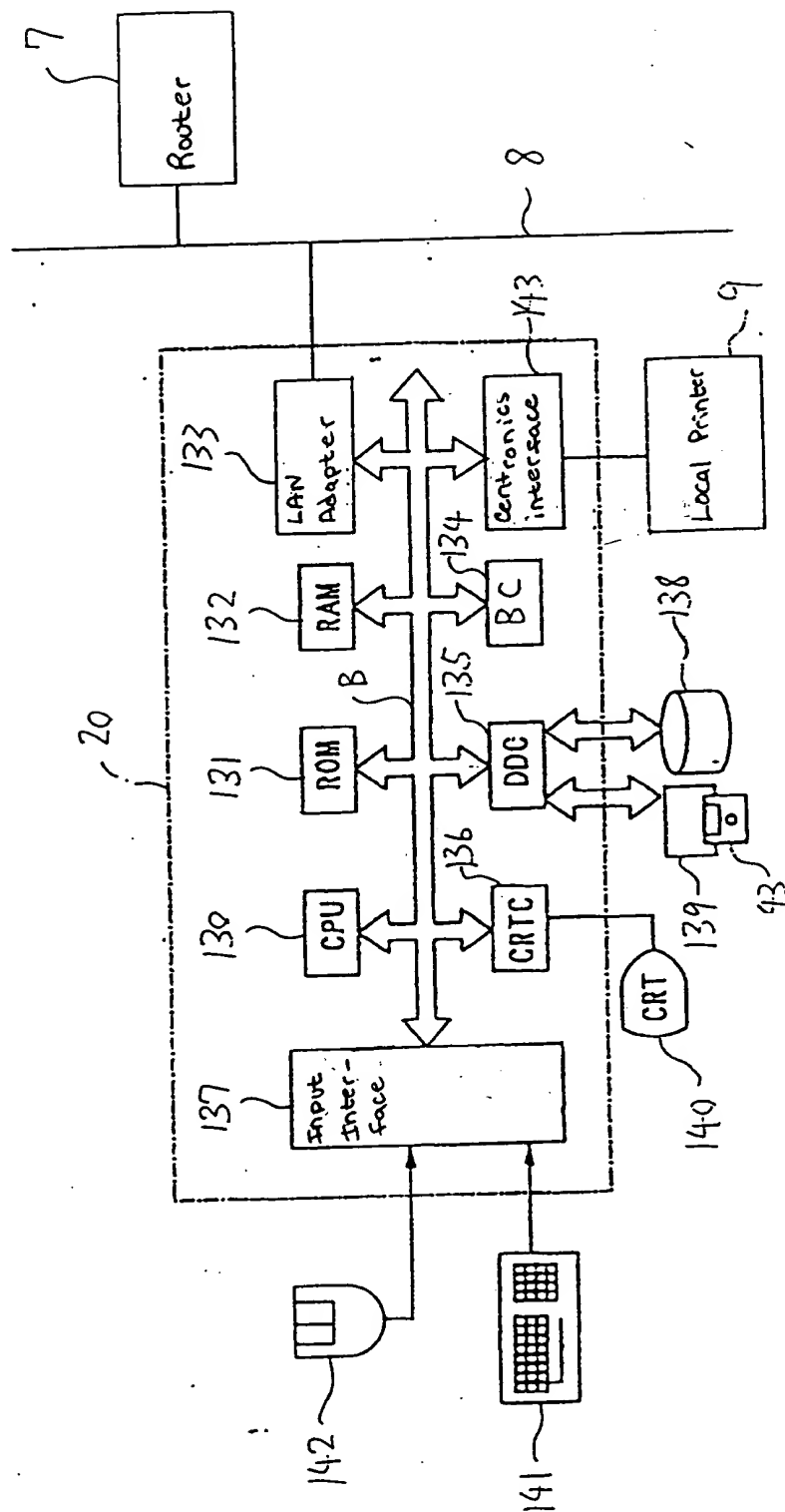


Fig. 27

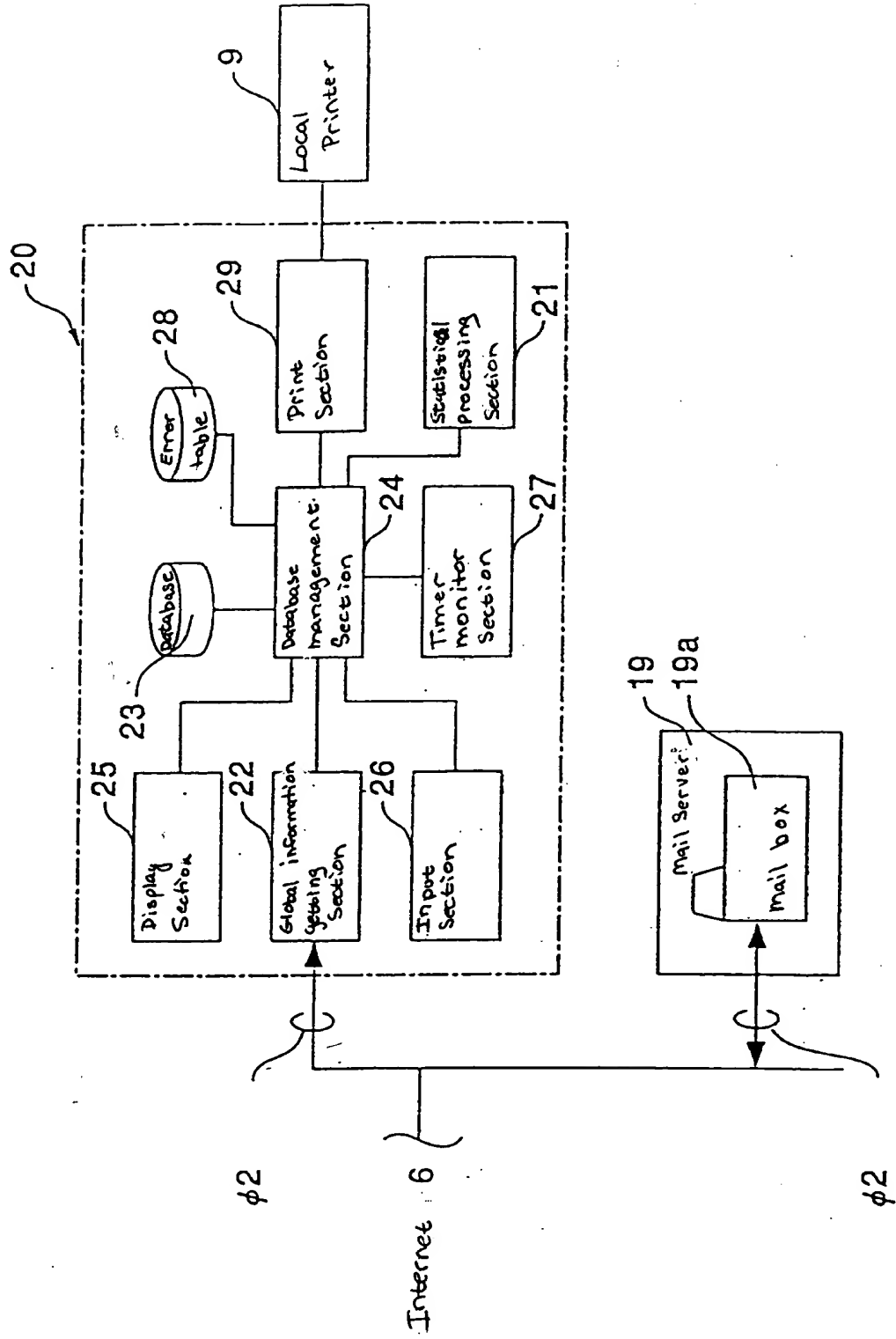


FIG 28A

Agent information	Company Name	Text	100	Agent installation agency name
	Installation Date	Date/time	8	Monitor agent installation date and time.
	Tel. Number	Text	20	Agency telephone number.
	Fax Number	Text	20	Agency fax number.
	Administrator	Text	100	Person in charge of administrating monitor agent.
	Remarks	Text	255	Information.
	Monitor interval	Number	4	Reception party address reception interval of mail sent from customers.
	Non-reception determination criterion	Number	1	Timer specification of interval specification for non-reception determination
	Non-reception determination	Number	4	Non-Reception determination time.
	System log size number	Number	4	Number of records to display past information of printer status.
Customer Information	Customer Code	Number	4	Code assigned by system.
	Company name	Text	100	Customer name.
	Customer pilot Tel. Number	Text	20	Pilot Tel. Number of customer.
	Customer pilot fax number	Text	20	Pilot fax number of customer.
	Address 1	Text	255	Customer address 1
	Address 2	Text	255	Customer address 2
	Representative	Text	100	Customer representative
	e-mail address	Text	128	Mail address of machine in which monitor agent is installed.
	Administrator mail address	Text	128	Mail address of monitor agent administrator.
	Last update date and time	Date/Time	8	Information update date and time.
	Remarks	Text	t255	Remarks information.
	Error Level	Text	1	Most recent status - A: Fatal, B: Warning, C: Information, D: Default.
	Agency memo	Memo		Agency memo is stored
	Transmission setting	Text	1	Interval specification or time specification for transmission.
	Transmission day units	Text	1	Day intervals of interval specification transmission.
	Transmission time	Text	1	Transmission time.
	Transmission interval	Number	4	Transmission interval.
Printer information	S/N	Text	10	Serial number of printer.
	Customer code	Number	4	External reference to customer code in customer information.
	Printer name	Text	40	Printer name.
	Printer type	Text	10	Printer Type: Page, SIDM_1, SIDM_2, INJ_1, INJ_2, No type.

FIG 28B

	Administration department	Text	100	Administration department of printer.
	Status text	Text	5	Storage of status code from printer.
	Error level	Text	1	Most recent status. A: Fatal, B: Warning, C:Information, D: Default.
	Information getting date and time	Date/time	8	Date and time at which information was gotten.
	Information update and time	Date/Time	8	Date and time at which information was updated.
	Agency memo	Memo		Memo in agency.
Status information	S/N	Text	10	External reference to S/N in printer information.
	Information getting date and time	Date/time	8	Date and time at which information was gotten.
	Error level	Text	1	History status for each printer A: Fatal, B: Warning, C: Information.
	Status	Text	5	Mail text sent from monitor agent.
	Toner/Ink remaining amount	Number	4	Toner/Ink remaining amount in printer.
	Ink remaining amount 1	Number	4	Ink remaining amount in printer (Black).
	Ink remaining amount 2	Number	4	Ink remaining amount in printer (Yellow).
	Ink remaining amount 3	Number	4	Ink remaining amount in printer (Magenta).
	Ink remaining amount 4	Number	4	Ink remaining amount in printer (Cyan).
	Ink remaining amount 5	Number	4	Ink remaining amount in printer (Light Cyan).
	Ink remaining amount 6	Number	4	Ink remaining amount in printer (Light Magenta).
	Total number of planes	Number	4	Total number of planes.
	Total number of print sheets in terms of monochrome print	Number	4	Total number of print sheets in terms of waste toner.
	Color ratio	Number	4	Color print ratio.
	Consumables	Text	1	Consumable flat 1: Consumable, 0: others.
	Photosensitive unit	Number	4	Remaining life of photosensitive unit.
	Oil roll	number	4	Roll remaining amount.
	Waste toner.	Number	4	Waste toner box use amount.

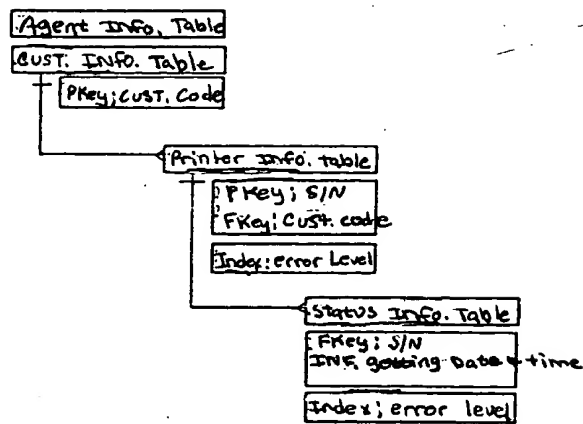
[illegible]

FIG. 30

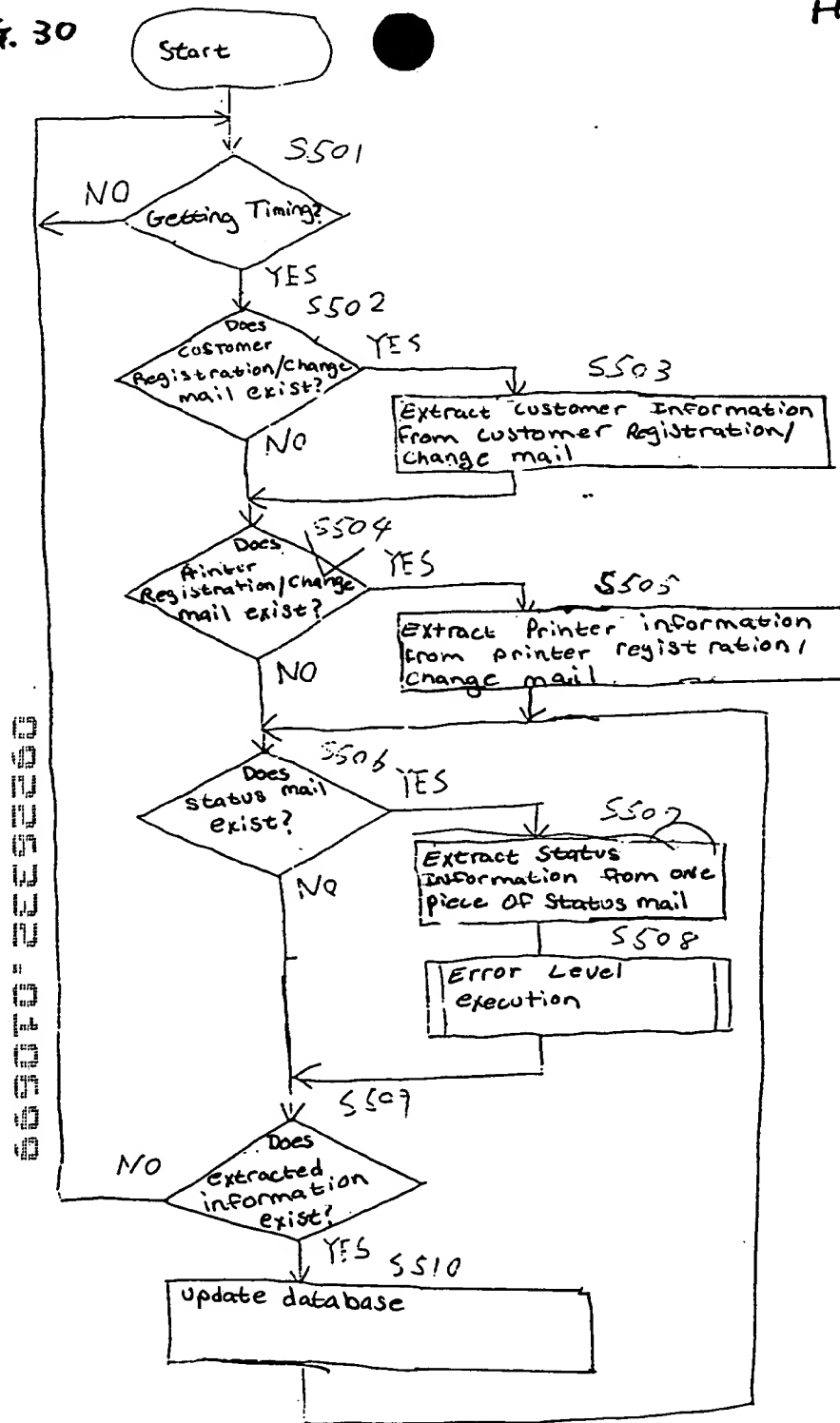
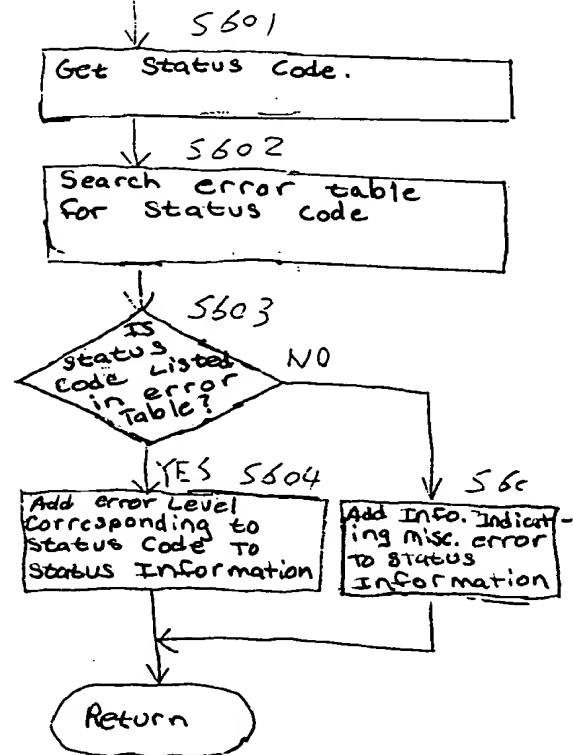


FIG. 31

Error Level
Termination



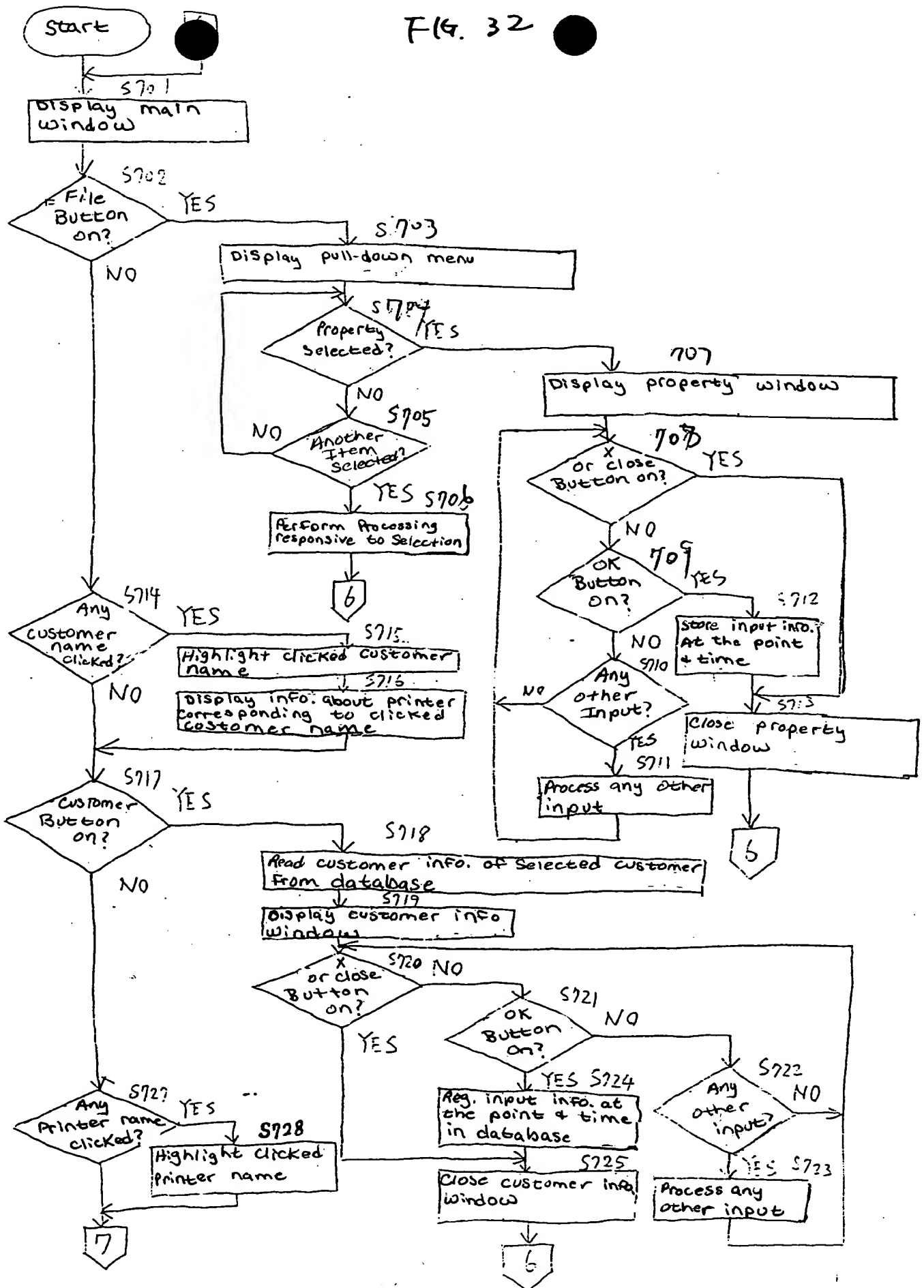
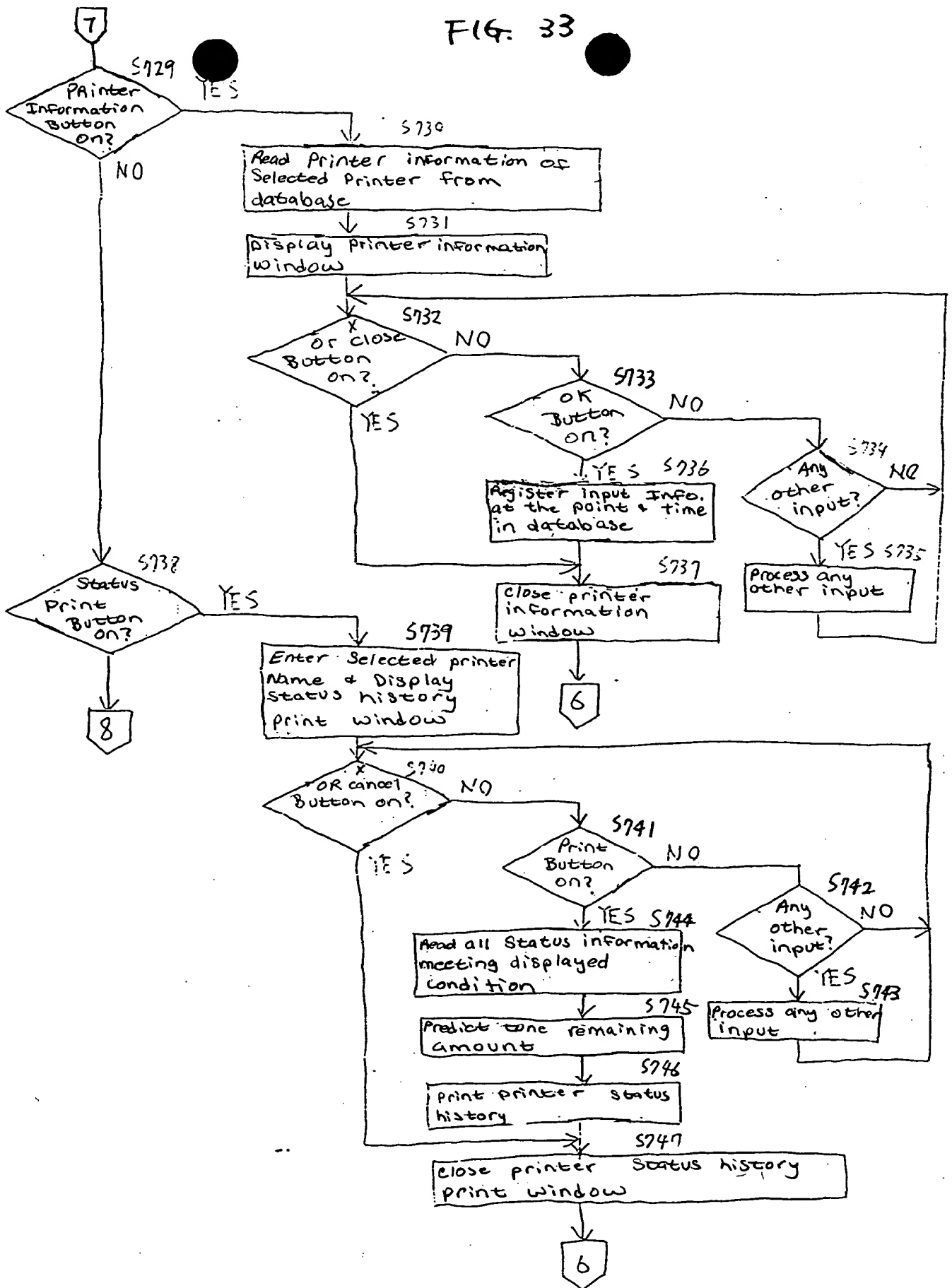
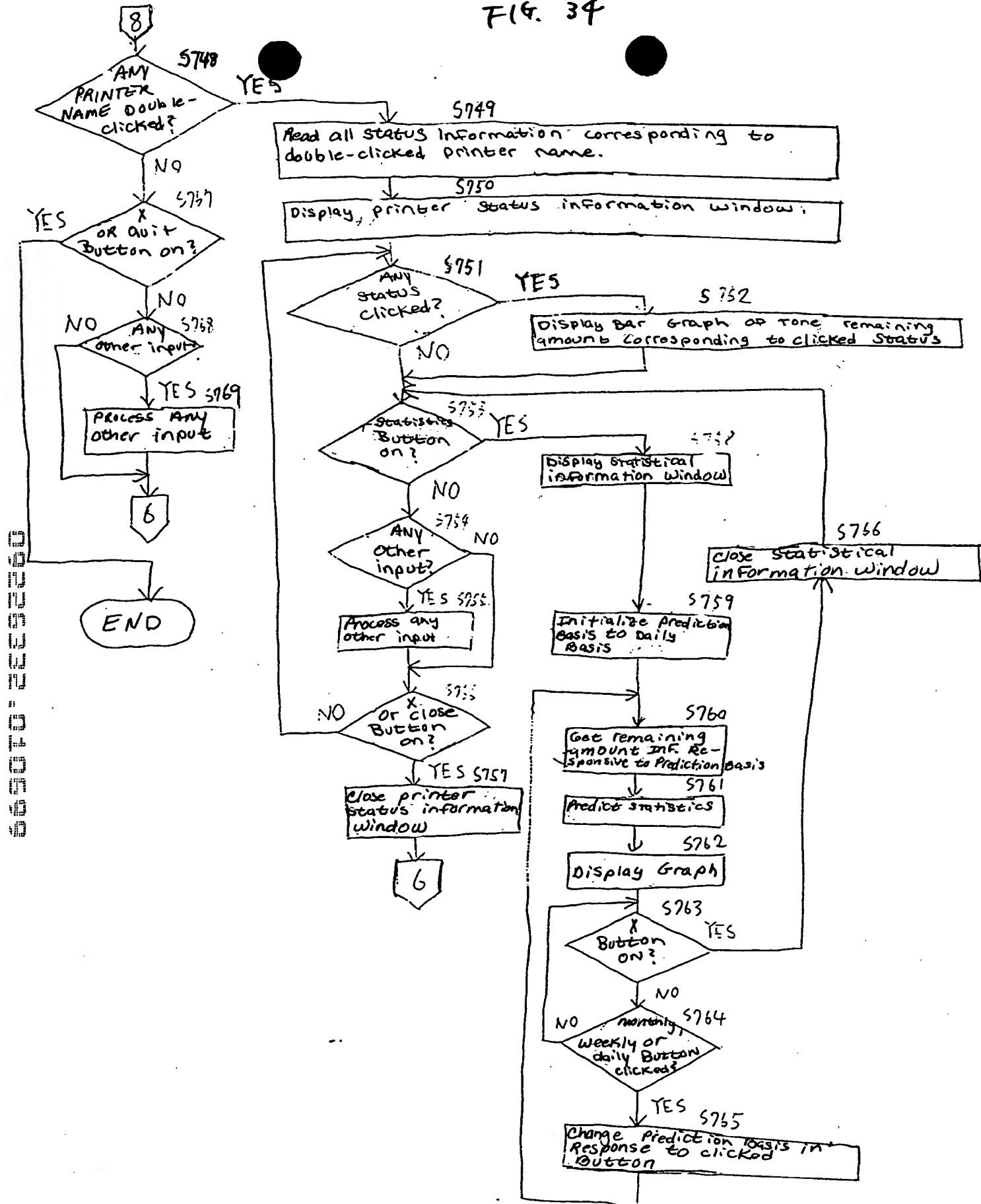


FIG. 33

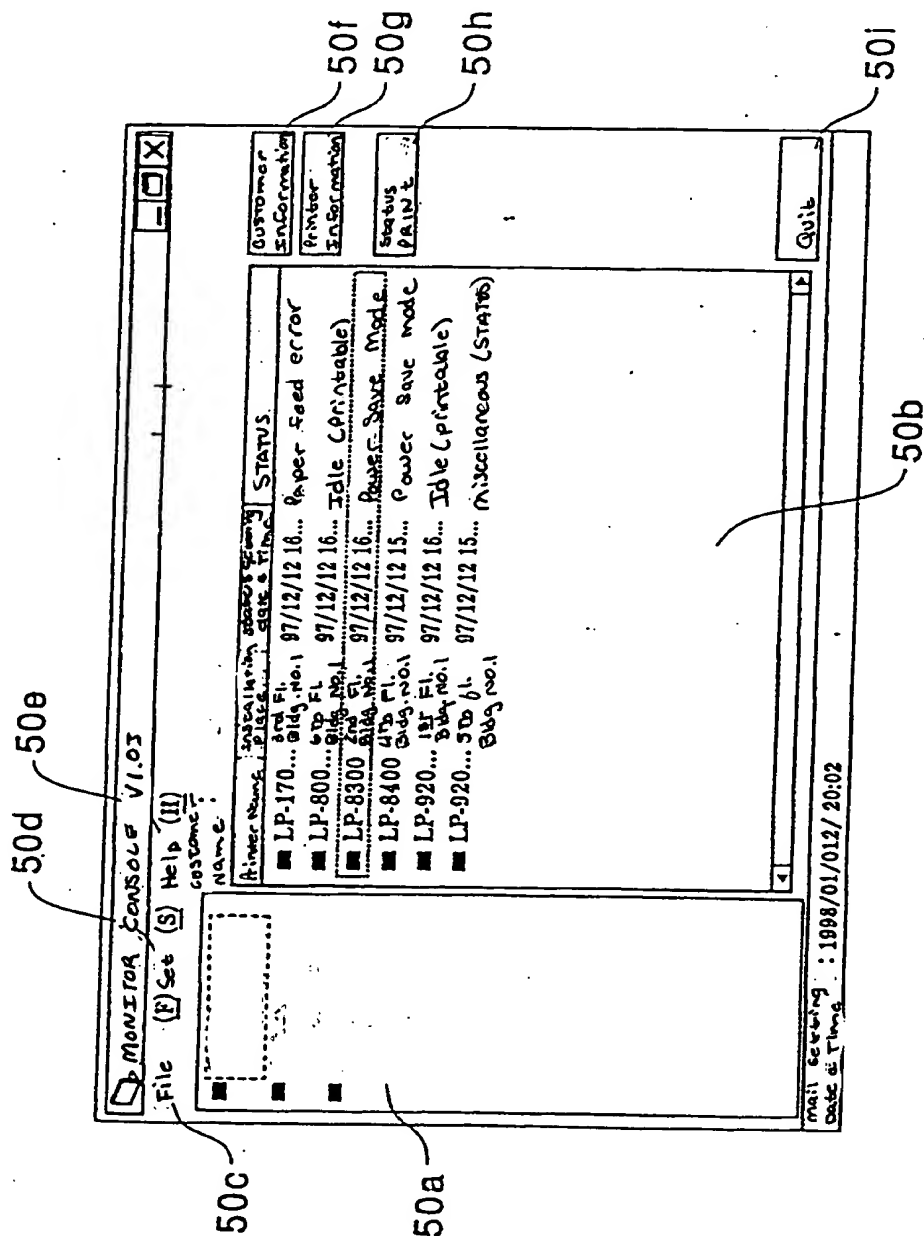


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663070-2232260

Fig. 35



1.

5.

101. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
 102. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
 103. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
 104. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
 105. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
 106. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
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 112. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
 113. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
 114. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
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 117. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
 118. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
 119. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$
 120. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

[illegible]

Customer Information		[X]	
Customer Information		OK	
Customer Name: <input type="text"/>		Close	
Address: <input type="text"/>		Delete customer	
<input type="text"/>			
Tel. NO. : <input type="text"/> - <input type="text"/> - <input type="text"/> FAX : <input type="text"/> - <input type="text"/> - <input type="text"/>			
Admin. : <input type="text"/>			
mail Address : <input type="text"/>			
Transmission Interval <input type="checkbox"/> Hours <input type="checkbox"/> minutes <input type="checkbox"/> once every days			
Remarks: <input type="text"/>			
Agency memo			

FIG. 38

Printer Information [X]

Customer Name _____

Printer Info. _____

Printer Name : Printer Type

S/N :

Installation Place :

Agency memo

OK

Close

Delete Printer

2025 RELEASE UNDER E.O. 14176

Age	Sex	Height	Weight	Body Mass Index	Waist Circumference	Hip Circumference	Waist-Hip Ratio	Trunk Fat	Visceral Fat	Subcutaneous Fat	Trunk Fat	Visceral Fat	Subcutaneous Fat
18-24	Male	175.0	75.0	24.5	85.0	100.0	0.85	15.0	5.0	10.0	15.0	5.0	10.0
25-34	Male	178.0	80.0	25.0	90.0	105.0	0.85	18.0	6.0	12.0	18.0	6.0	12.0
35-44	Male	180.0	85.0	26.0	95.0	110.0	0.86	20.0	7.0	13.0	20.0	7.0	13.0
45-54	Male	182.0	90.0	27.0	100.0	115.0	0.87	22.0	8.0	14.0	22.0	8.0	14.0
55-64	Male	185.0	95.0	28.0	105.0	120.0	0.88	25.0	9.0	16.0	25.0	9.0	16.0
65-74	Male	188.0	100.0	29.0	110.0	125.0	0.88	28.0	10.0	18.0	28.0	10.0	18.0
75-84	Male	190.0	105.0	30.0	115.0	130.0	0.88	30.0	11.0	19.0	30.0	11.0	19.0
85-94	Male	192.0	110.0	31.0	120.0	135.0	0.89	32.0	12.0	20.0	32.0	12.0	20.0
95-104	Male	195.0	115.0	32.0	125.0	140.0	0.89	35.0	13.0	22.0	35.0	13.0	22.0
105-114	Male	198.0	120.0	33.0	130.0	145.0	0.90	38.0	14.0	24.0	38.0	14.0	24.0
115-124	Male	200.0	125.0	34.0	135.0	150.0	0.90	40.0	15.0	25.0	40.0	15.0	25.0
125-134	Male	202.0	130.0	35.0	140.0	155.0	0.90	42.0	16.0	26.0	42.0	16.0	26.0
135-144	Male	205.0	135.0	36.0	145.0	160.0	0.91	45.0	17.0	28.0	45.0	17.0	28.0
145-154	Male	208.0	140.0	37.0	150.0	165.0	0.91	48.0	18.0	30.0	48.0	18.0	30.0
155-164	Male	210.0	145.0	38.0	155.0	170.0	0.91	50.0	19.0	31.0	50.0	19.0	31.0
165-174	Male	212.0	150.0	39.0	160.0	175.0	0.91	52.0	20.0	32.0	52.0	20.0	32.0
175-184	Male	215.0	155.0	40.0	165.0	180.0	0.92	55.0	21.0	34.0	55.0	21.0	34.0
185-194	Male	218.0	160.0	41.0	170.0	185.0	0.92	58.0	22.0	36.0	58.0	22.0	36.0
195-204	Male	220.0	165.0	42.0	175.0	190.0	0.92	60.0	23.0	37.0	60.0	23.0	37.0
205-214	Male	222.0	170.0	43.0	180.0	195.0	0.92	62.0	24.0	38.0	62.0	24.0	38.0
215-224	Male	225.0	175.0	44.0	185.0	200.0	0.93	65.0	25.0	40.0	65.0	25.0	40.0
225-234	Male	228.0	180.0	45.0	190.0	205.0	0.93	68.0	26.0	42.0	68.0	26.0	42.0
235-244	Male	230.0	185.0	46.0	195.0	210.0	0.93	70.0	27.0	43.0	70.0	27.0	43.0
245-254	Male	232.0	190.0	47.0	200.0	215.0	0.93	72.0	28.0	44.0	72.0	28.0	44.0
255-264	Male	235.0	195.0	48.0	205.0	220.0	0.93	75.0	29.0	46.0	75.0	29.0	46.0
265-274	Male	238.0	200.0	49.0	210.0	225.0	0.93	78.0	30.0	48.0	78.0	30.0	48.0
275-284	Male	240.0	205.0	50.0									

56a

[illegible]

Information was generated:	Toner Remaining Amount error level	Status
97/11/04 12:30:00	80% 1	Idle (printable)
97/11/05 12:30:00	70% 1	Idle (printable)
97/11/06 12:30:00	55% 1	Idle (printable)
97/11/07	38% (predicted value)	Supply Required
97/11/08	20% (predicted value)	



Time Period	97/11/04	97/12/02	Remaining Amount error Level	Status
Info. was gotten at:				
97/11/04 12:30:00	50%	1		Idle (printable)
97/11/14 12:30:00	42%	1		Idle (printable)
97/11/18 12:30:00	30%	1		Idle (printable)
97/11/25 12:30:00	20%	1		Idle (printable)
97/12/02	10%	(predicted value)		

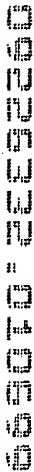
[illegible]

FIG. 42A

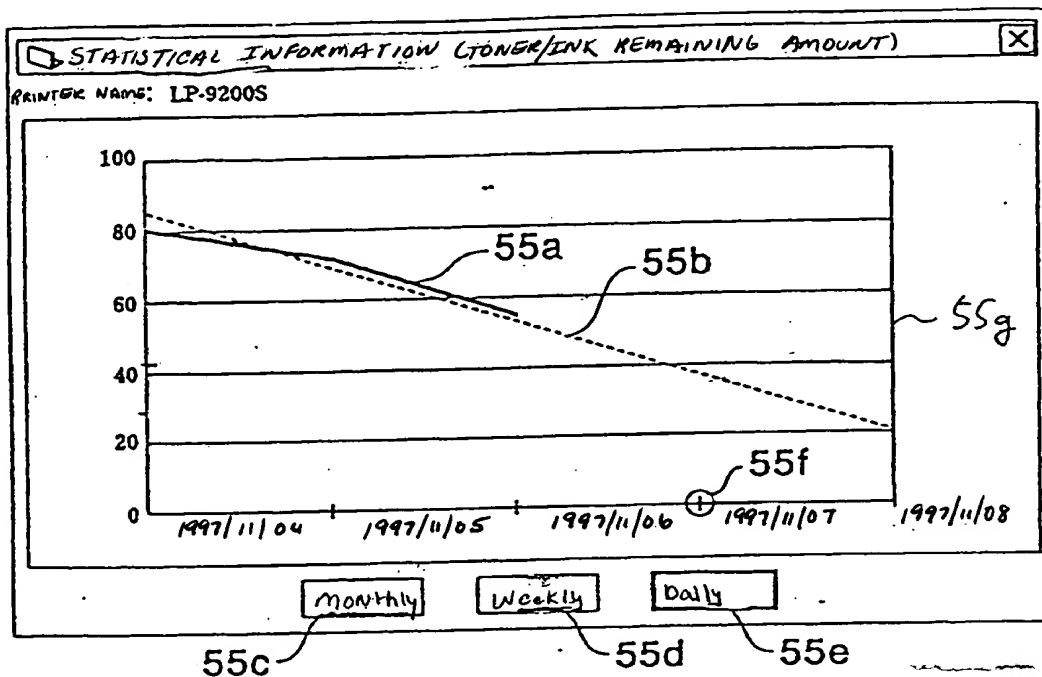


FIG. 42B

